





















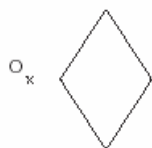




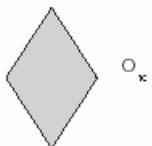
# Home Learning 10.1 Date Due:.....

1 Draw copies of (or trace) each of the following shapes. Enlarge each one by the given scale factor about the centre of enlargement O.

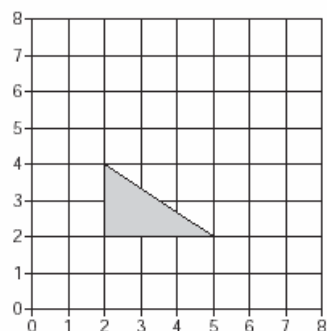
a Scale factor  $\frac{1}{2}$



b Scale factor  $\frac{1}{2}$

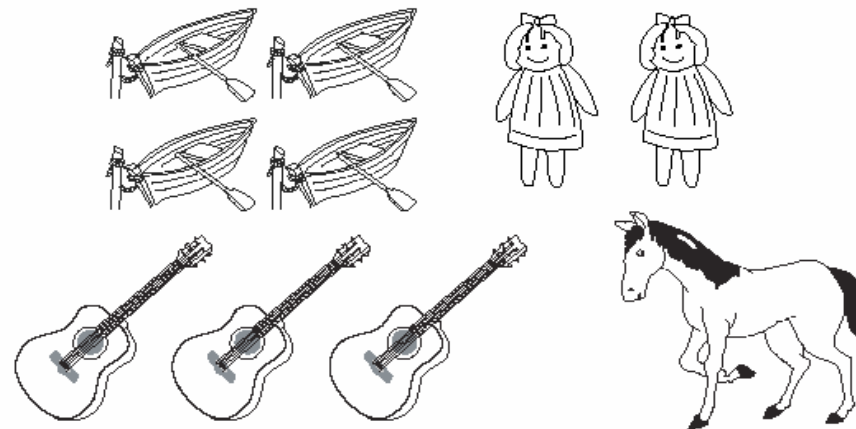


2 Copy the diagram below onto a coordinate grid and enlarge the triangle by scale factor  $\frac{1}{2}$  about the origin (0, 0).



# Home Learning 9.2 Date Due:.....

1 Ten pictures are shown, which are all face down. A picture is picked at random.



- a What is the probability of choosing a picture of a guitar?
- b What is the probability of choosing a picture of a guitar or a boat?
- c What is the probability of choosing a picture of a horse or a doll?
- d What is the probability of choosing a picture which is not of a boat?

2 A bag contains a large number of discs, each labelled either A, B, C or D. The probabilities that a disc picked at random will have a given letter are shown below.

$$P(A) = 0.2 \quad P(B) = 0.4 \quad P(C) = 0.15 \quad P(D) = ?$$

- a What is the probability of choosing a disc with a letter D on it?
- b What is the probability of choosing a disc with a letter A or B on it?
- c What is the probability of choosing a disc which does not have the letter C on it?

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Mark: .....

